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Figure 2a

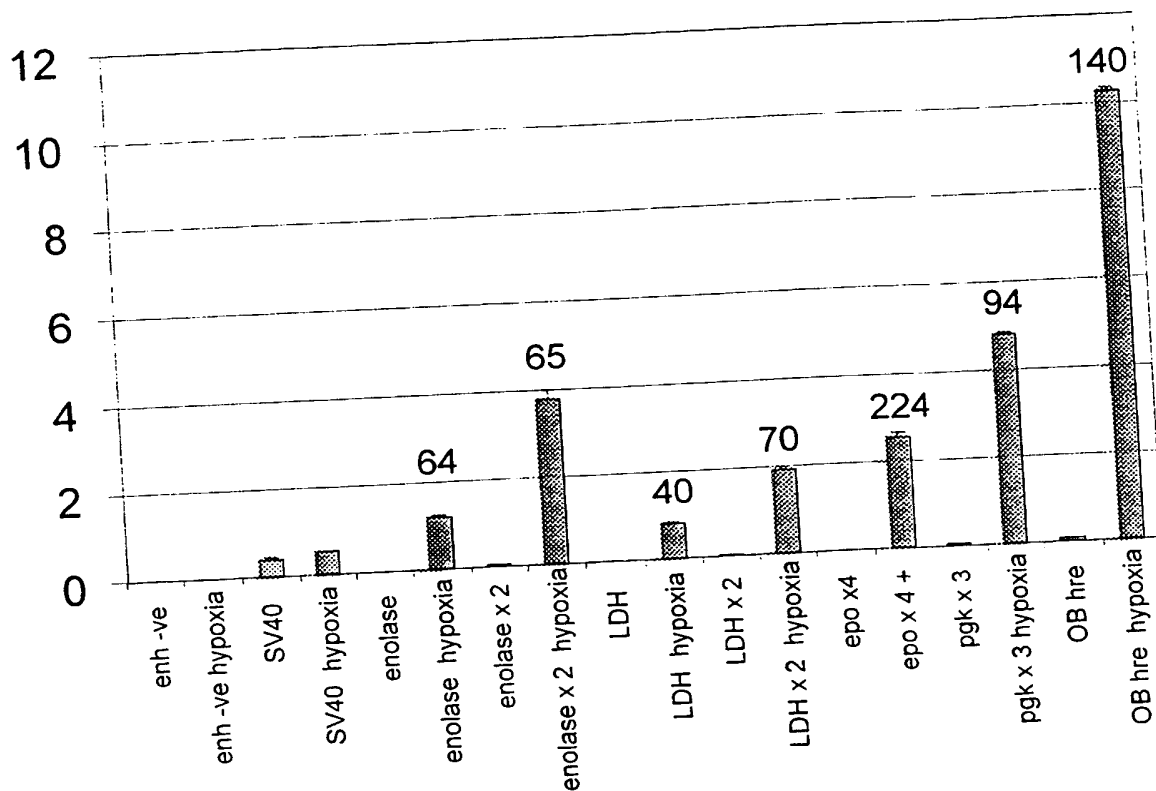


Figure 2b

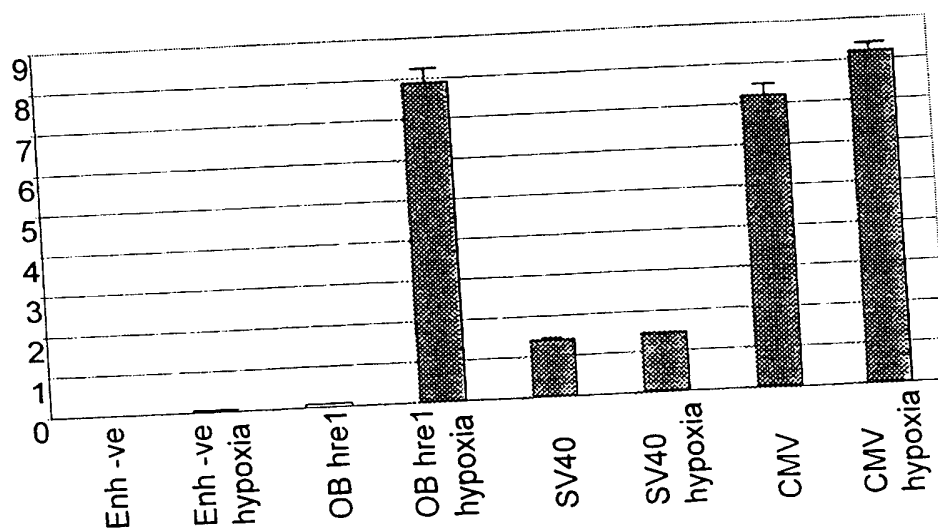


Figure 3

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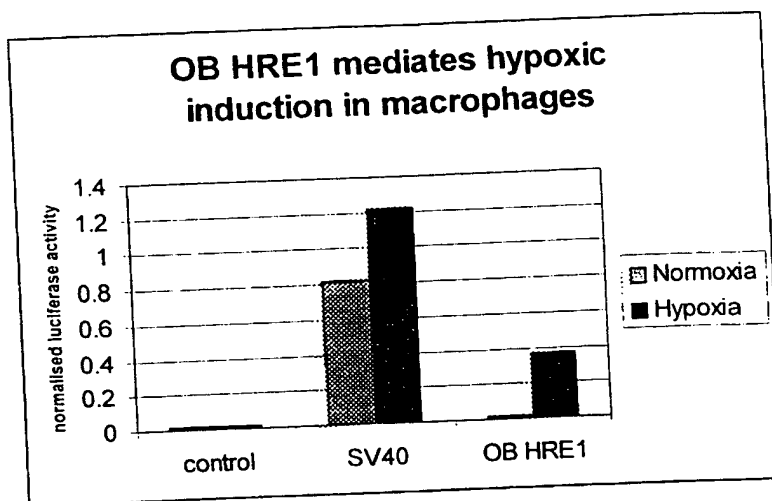


Figure 4

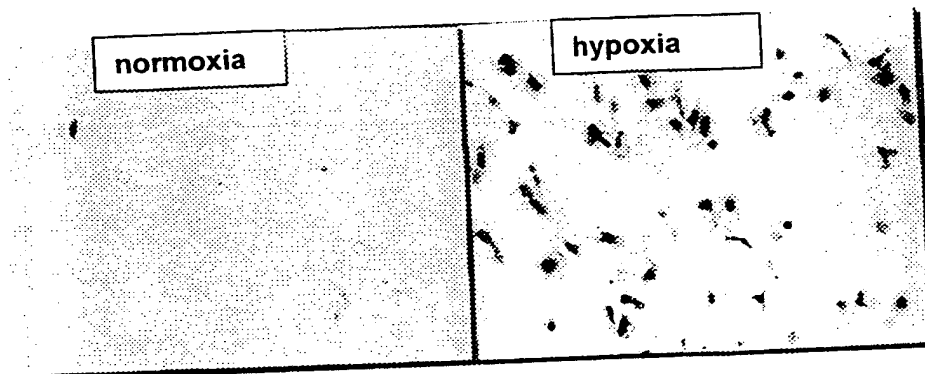
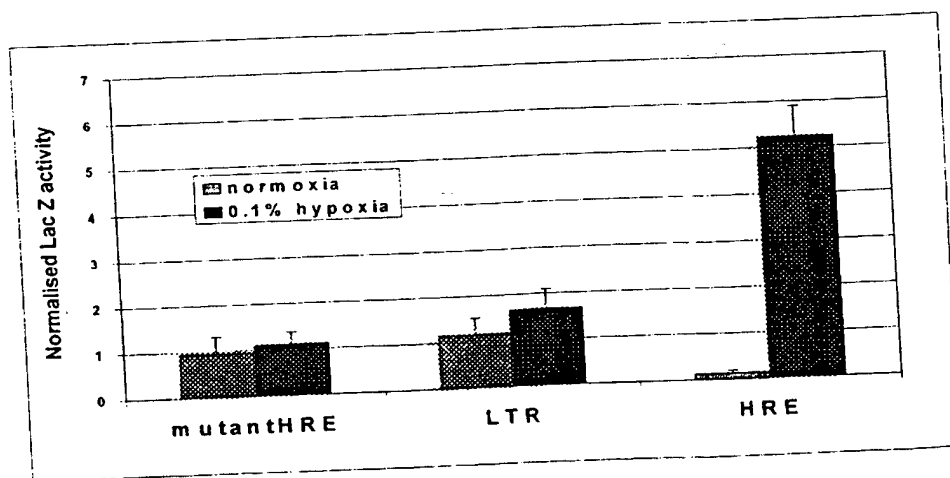


Figure 5



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Figure 6

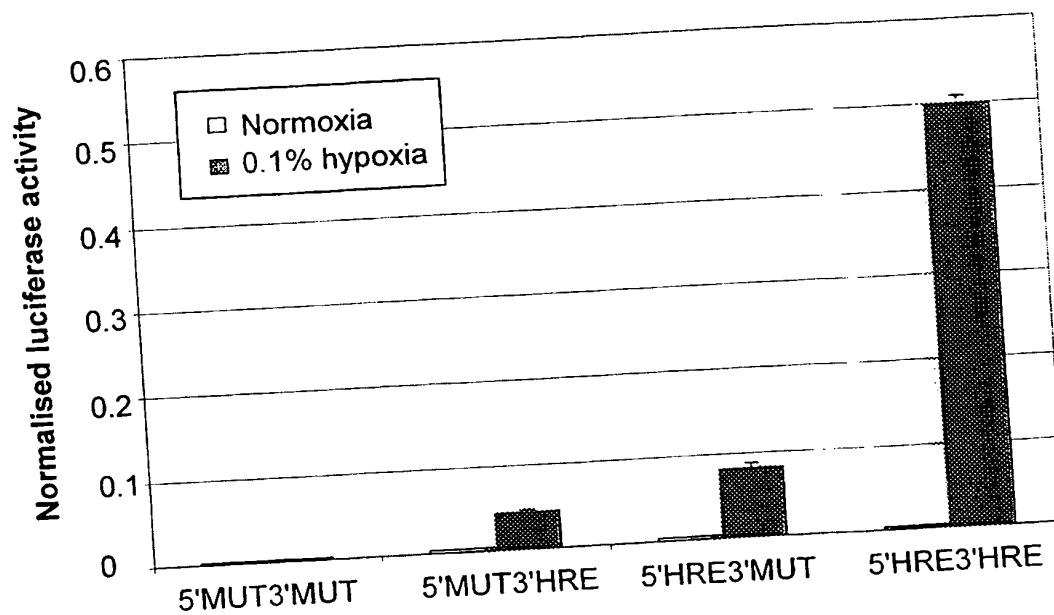
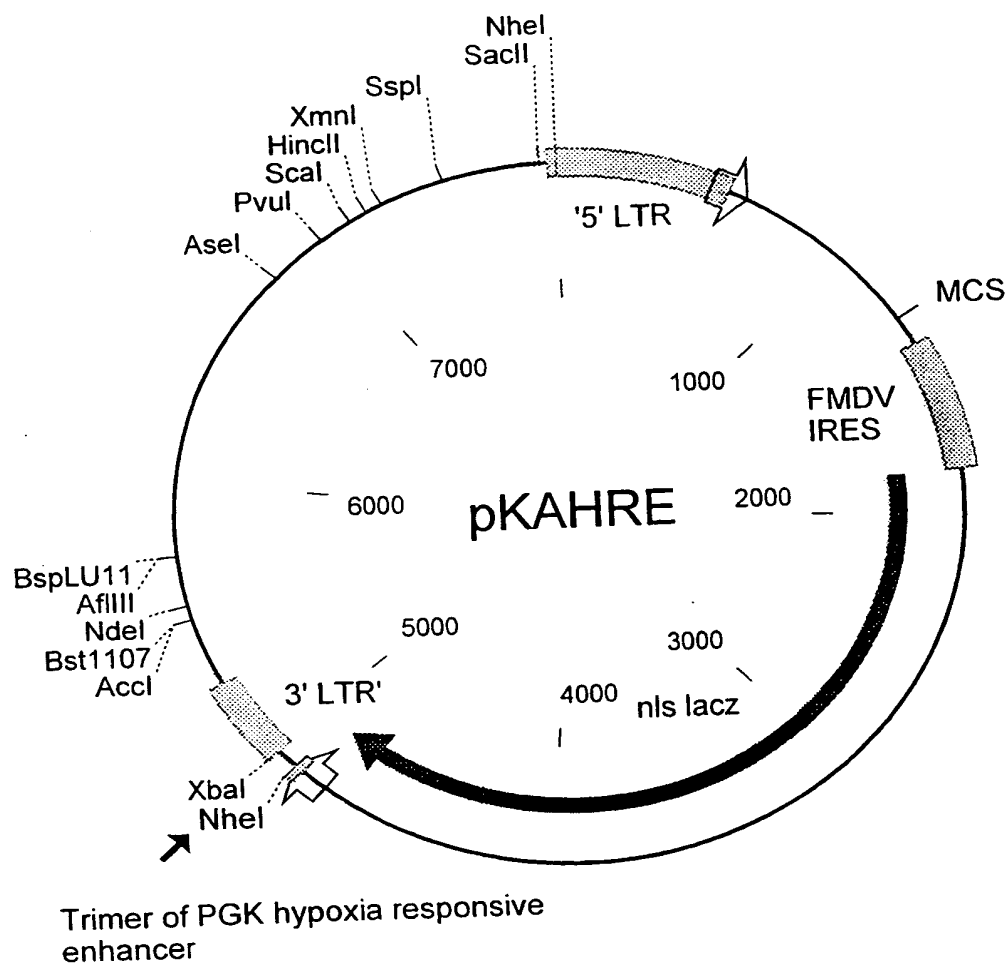


Figure 7

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Figure 8

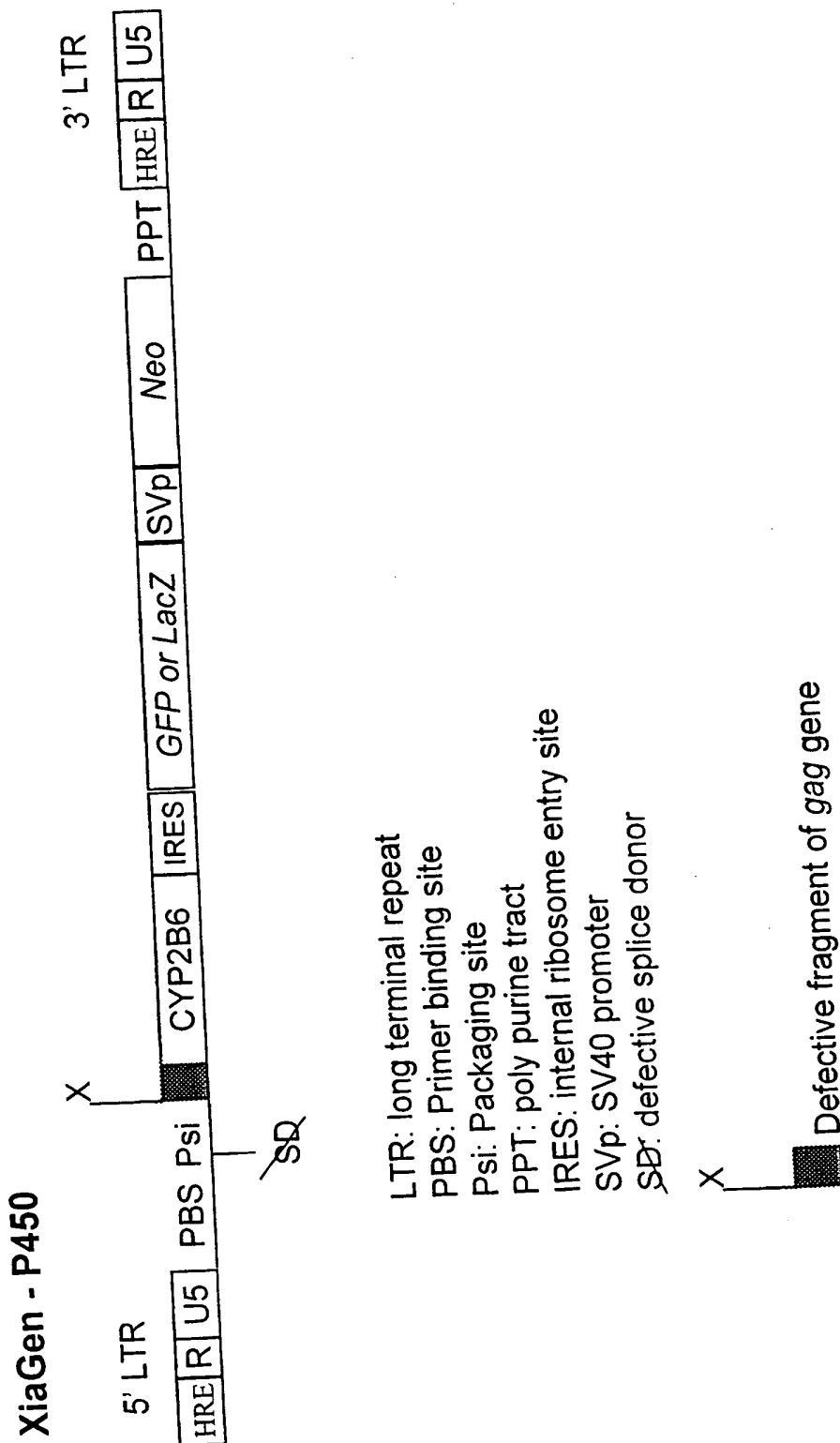


Figure 9

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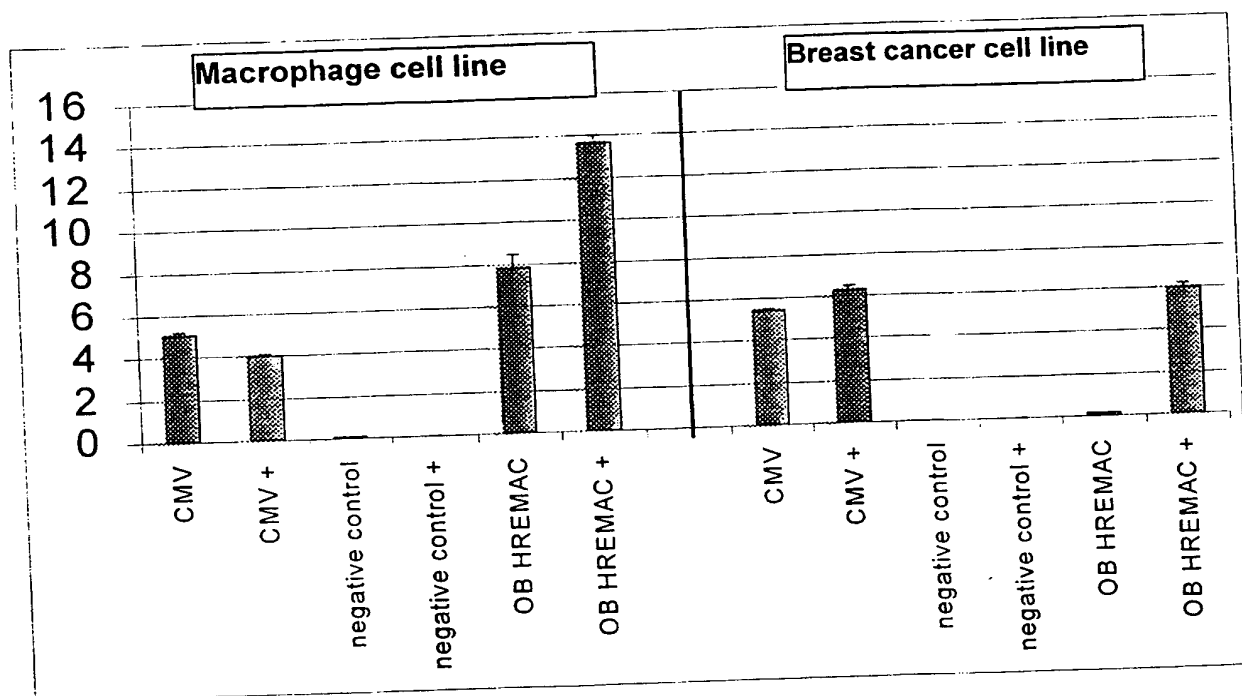
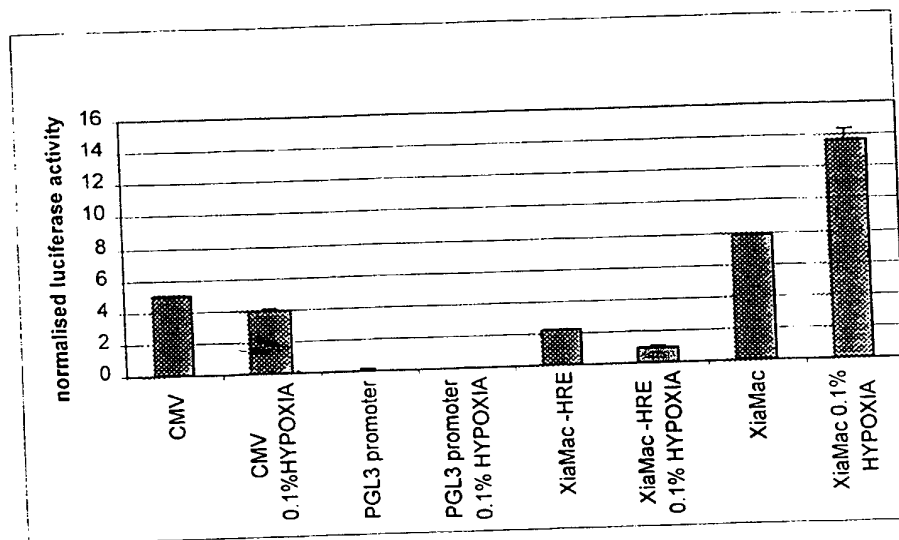


Figure 10

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Figure 11a

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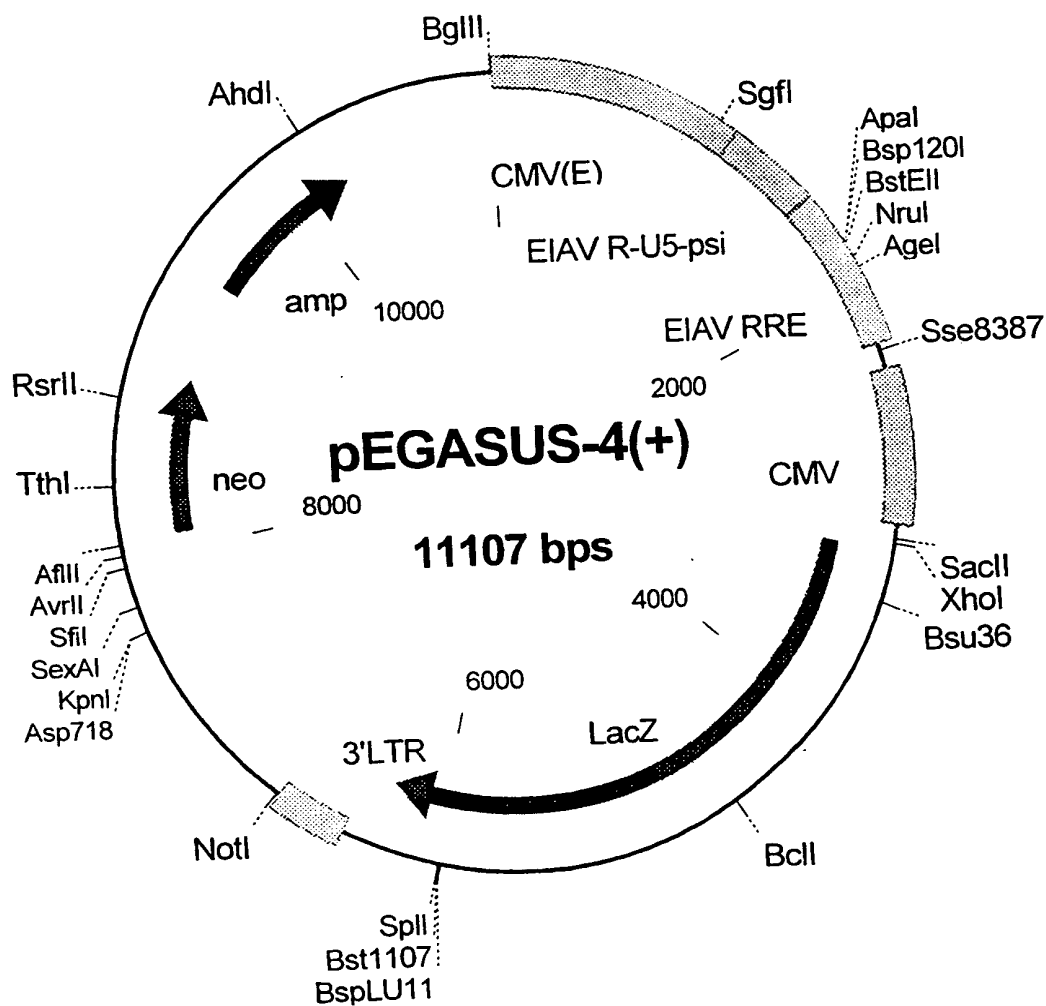
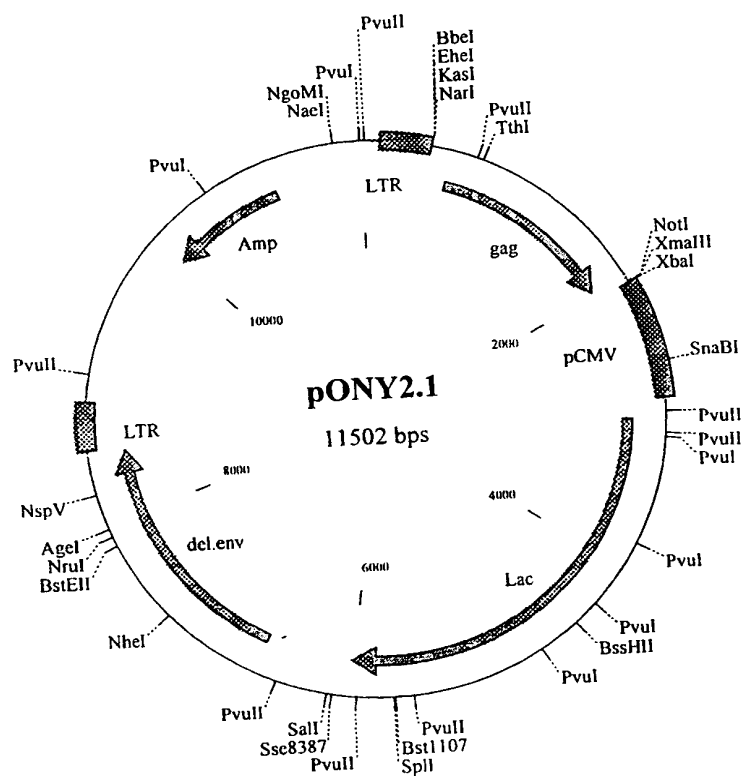


Figure 11b

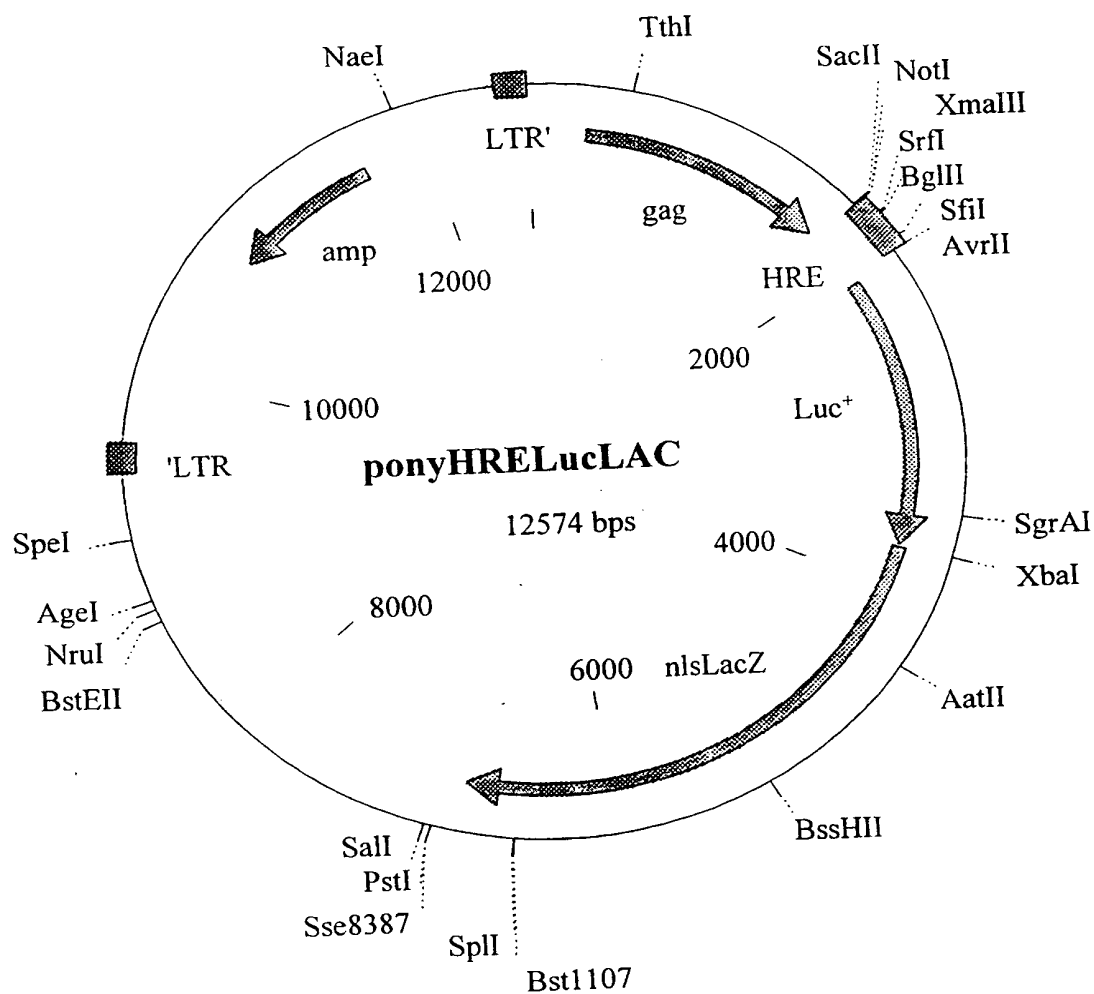
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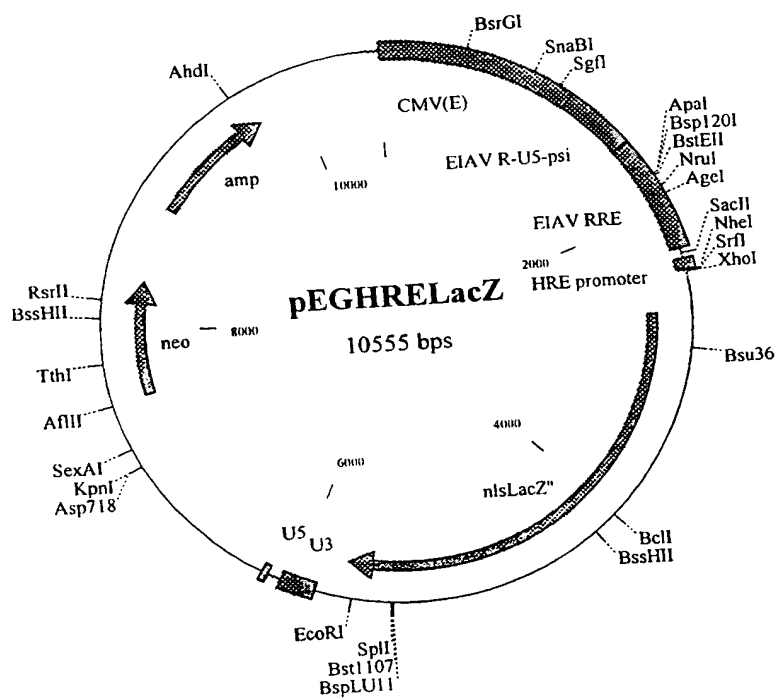
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Figure 11c



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Figure 11d



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Figure 12

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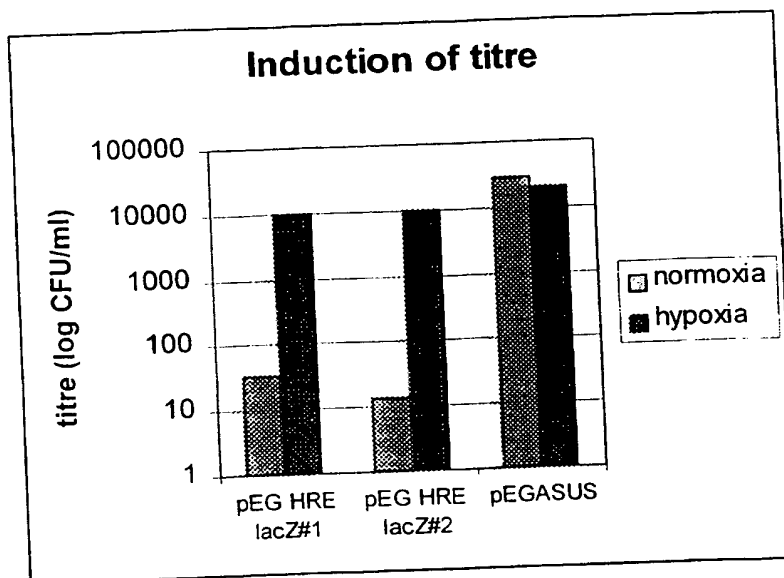


Figure 13

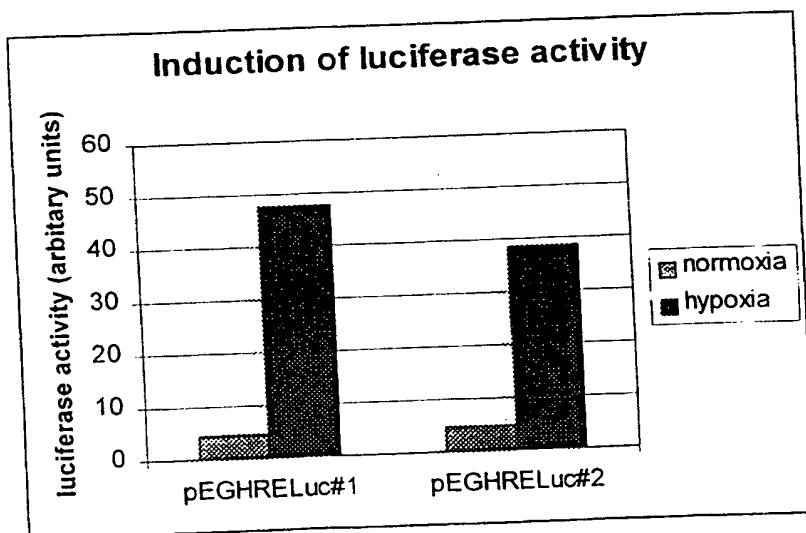


Figure 14

ST3
GACATGTATACCCCGTACGTCTTCCCGAG

ST4
GTCGTGCAGGACGTGACATCTAGTGTCGTGCAGGACGTGACATCTAGTGTCGT
GCAGGACGTGACACTTTTTACTCTTATAATCATTATATAAAACCCCTC

ST5
TGTCACGTCCTGCACGACACTAGATGTCACGTCCTGCACGACACTAGATGTCA
CGTCCTGCACGACTGGTGACGCGTAACTTCCTGTTTTACAGTATATAAGTGC
TTGTATT

ST6
CTAAAGGGAAGCGGCCGCTCTAGAACTAGTCTG

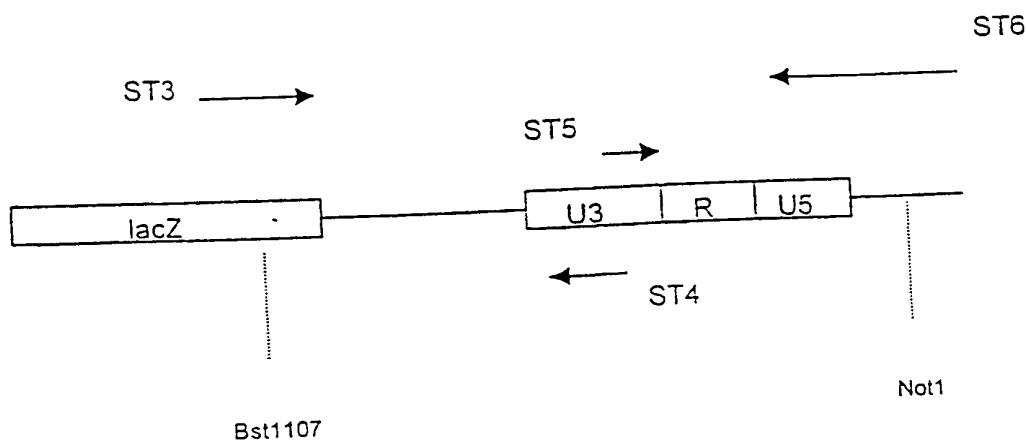
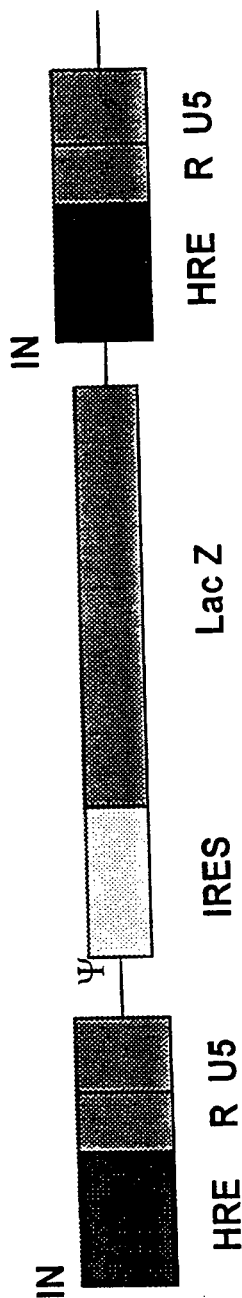


Figure 15

Hypoxia responsive EIAV vector configured as a single transcription unit

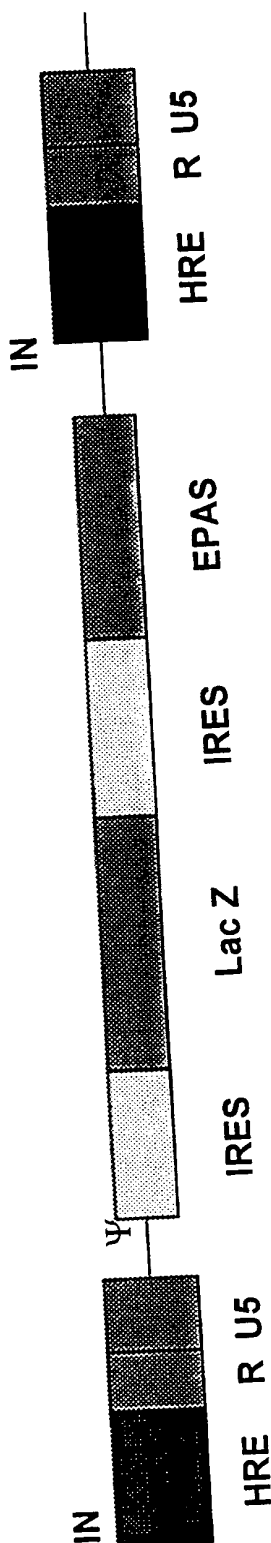


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IN = Site for integration via the EIAV integrase
HRE = Hypoxia response element
IRES = Internal ribosome entry site
R = Repeat required for reverse transcription
U5 = Part of the EIAV LTR
Ψ = Packaging site

Figure 16

Hypoxia responsive Autoregulated EIAV vector
configured as a single transcription unit



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IN = Site for integration via the EIAV integrase
HRE = Hypoxia response element
IRES = Internal ribosome entry site
R = Repeat required for reverse transcription
U5 = Part of the EIAV LTR
Ψ = Packaging site
E-PAS = Endothelial PAS gene

Figure 17

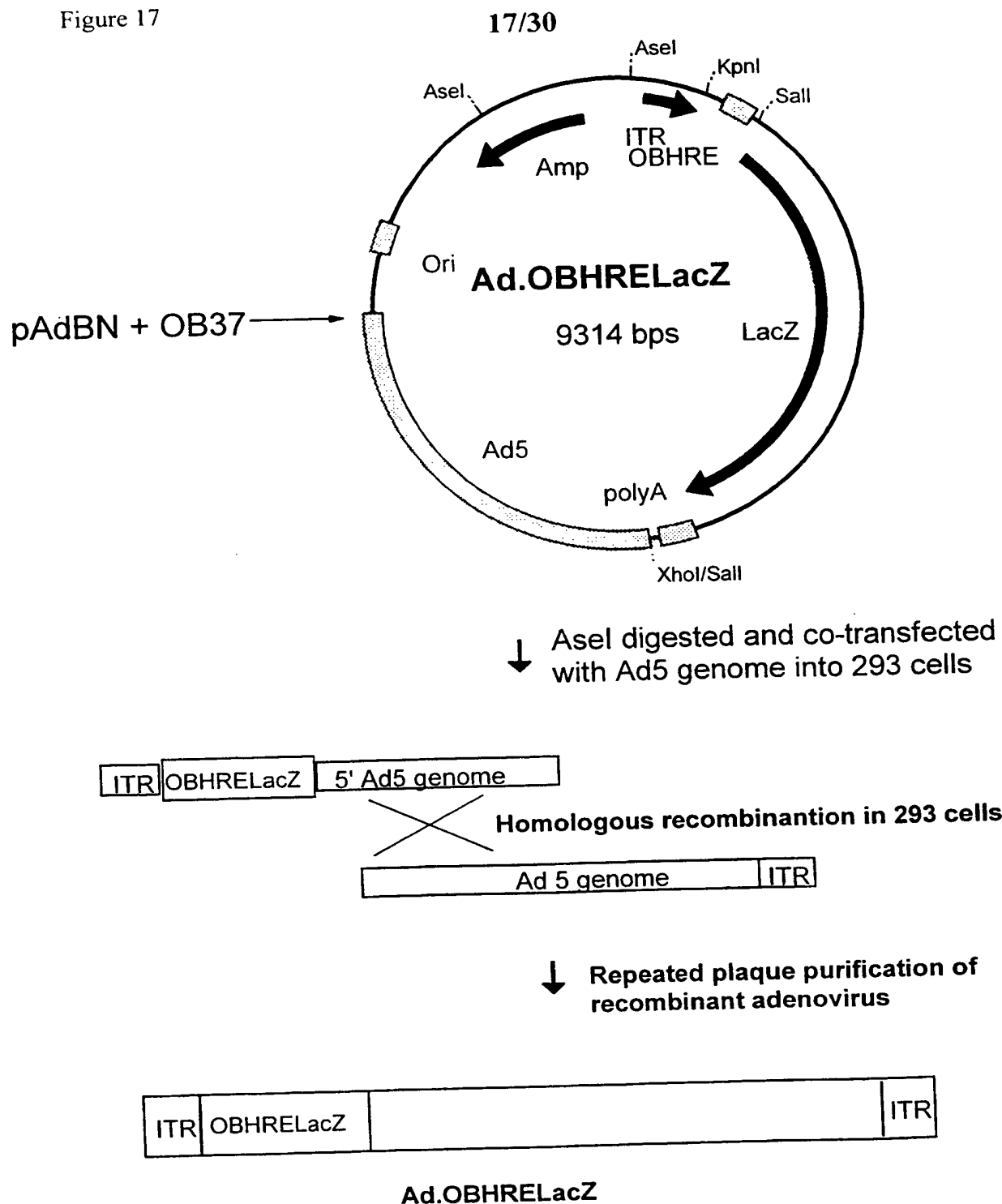
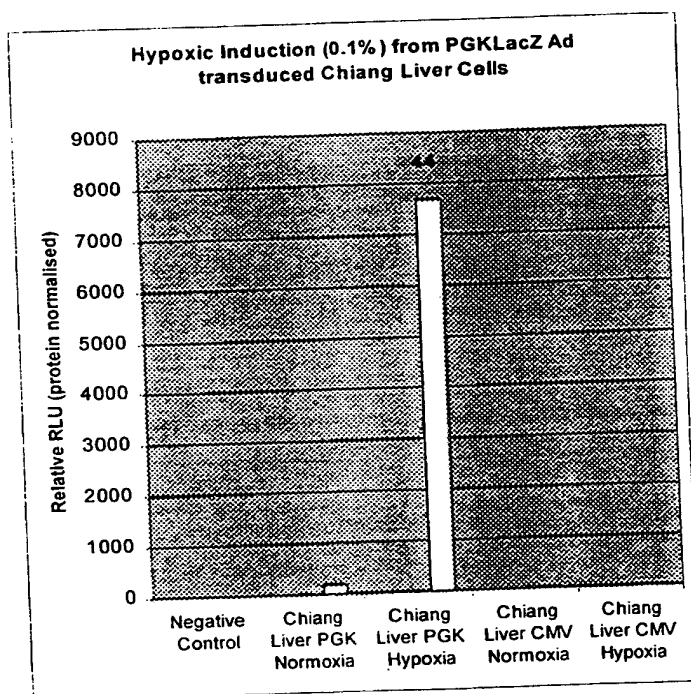


Figure 18

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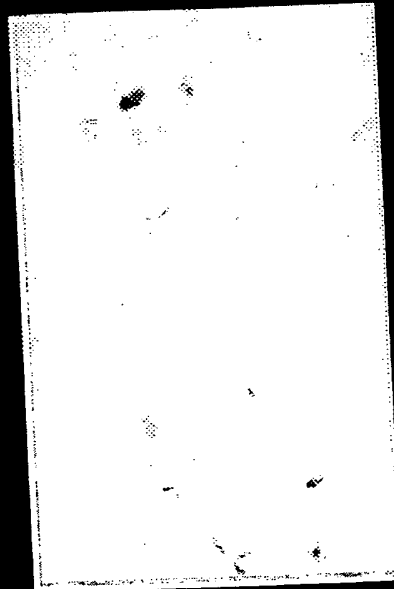
109020-2556060

105020 25528200

Hypoxic regulation of lacZ in primary human
macrophages transduced with OB HRE1 Adenovirus



hypoxia



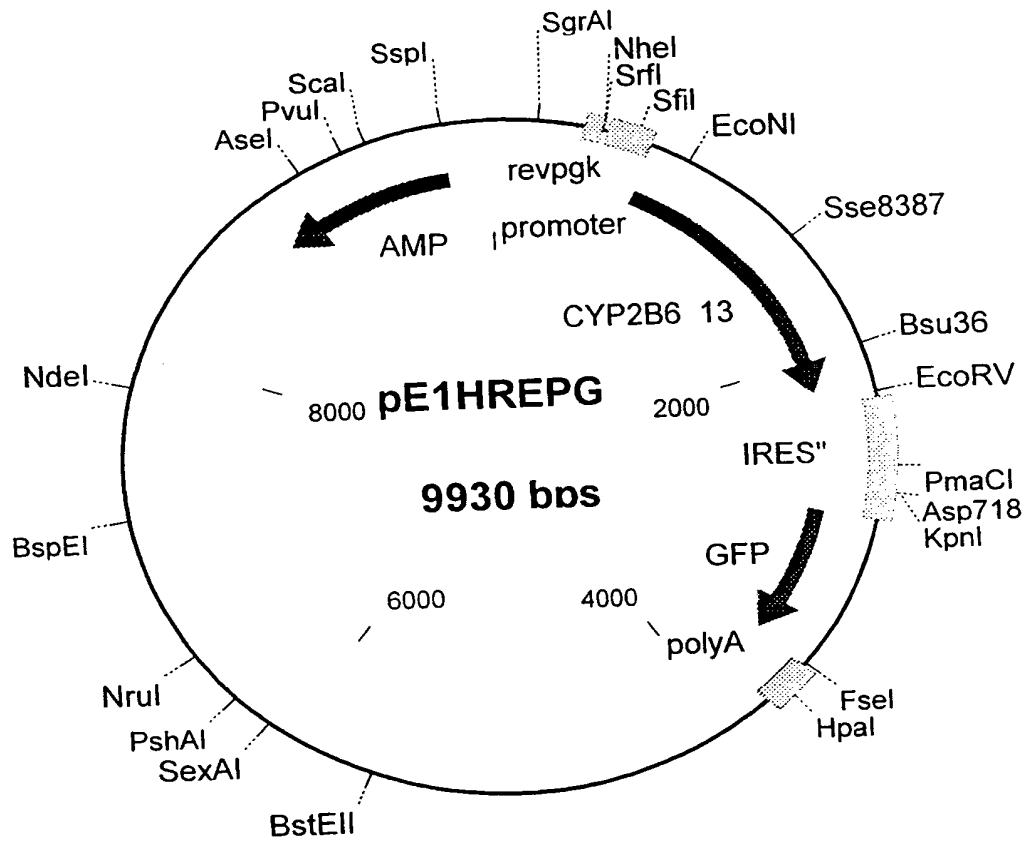
normoxia

bioMedica

Figure 19

Figure 20a

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Figure 20b

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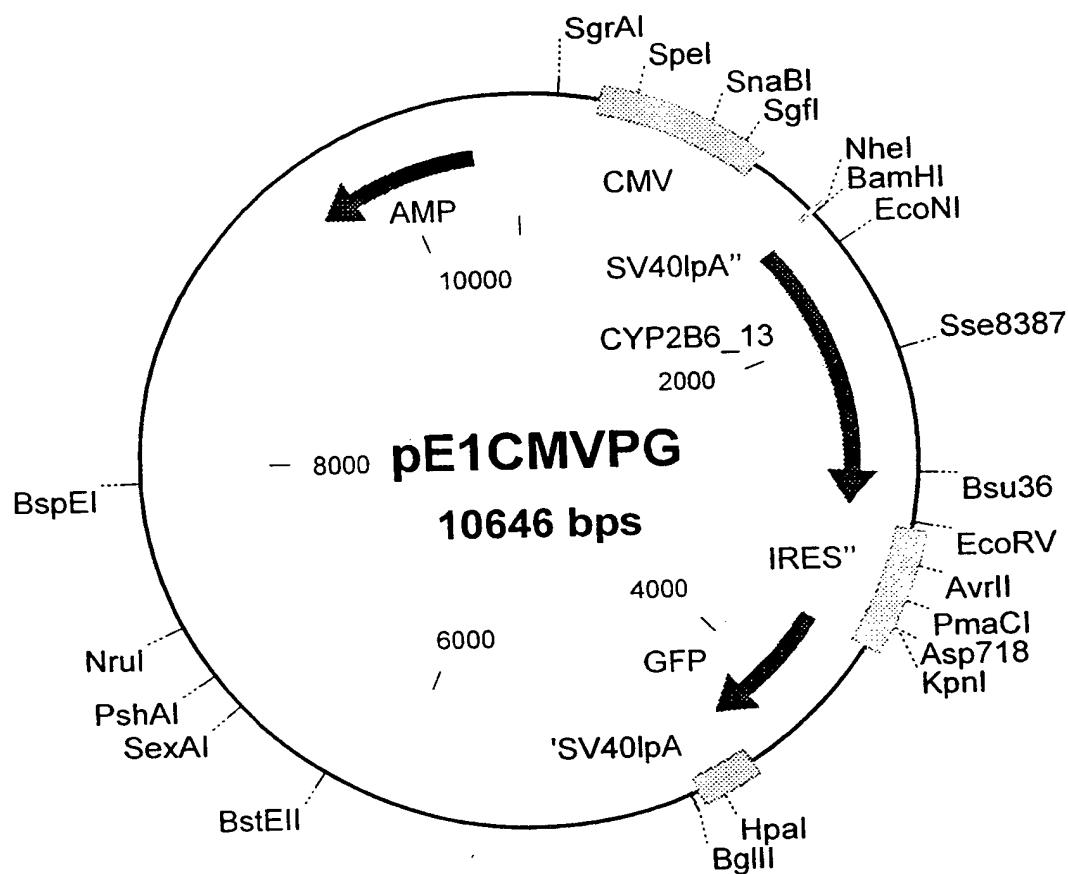
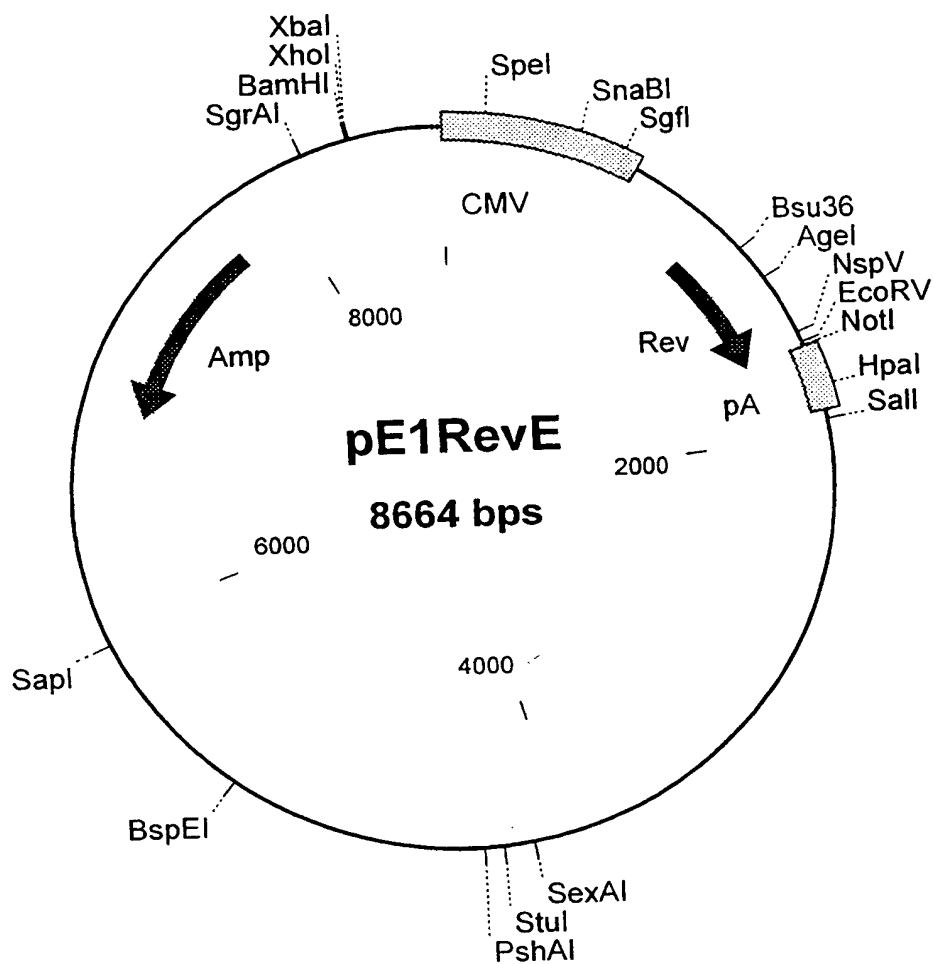


Figure 21

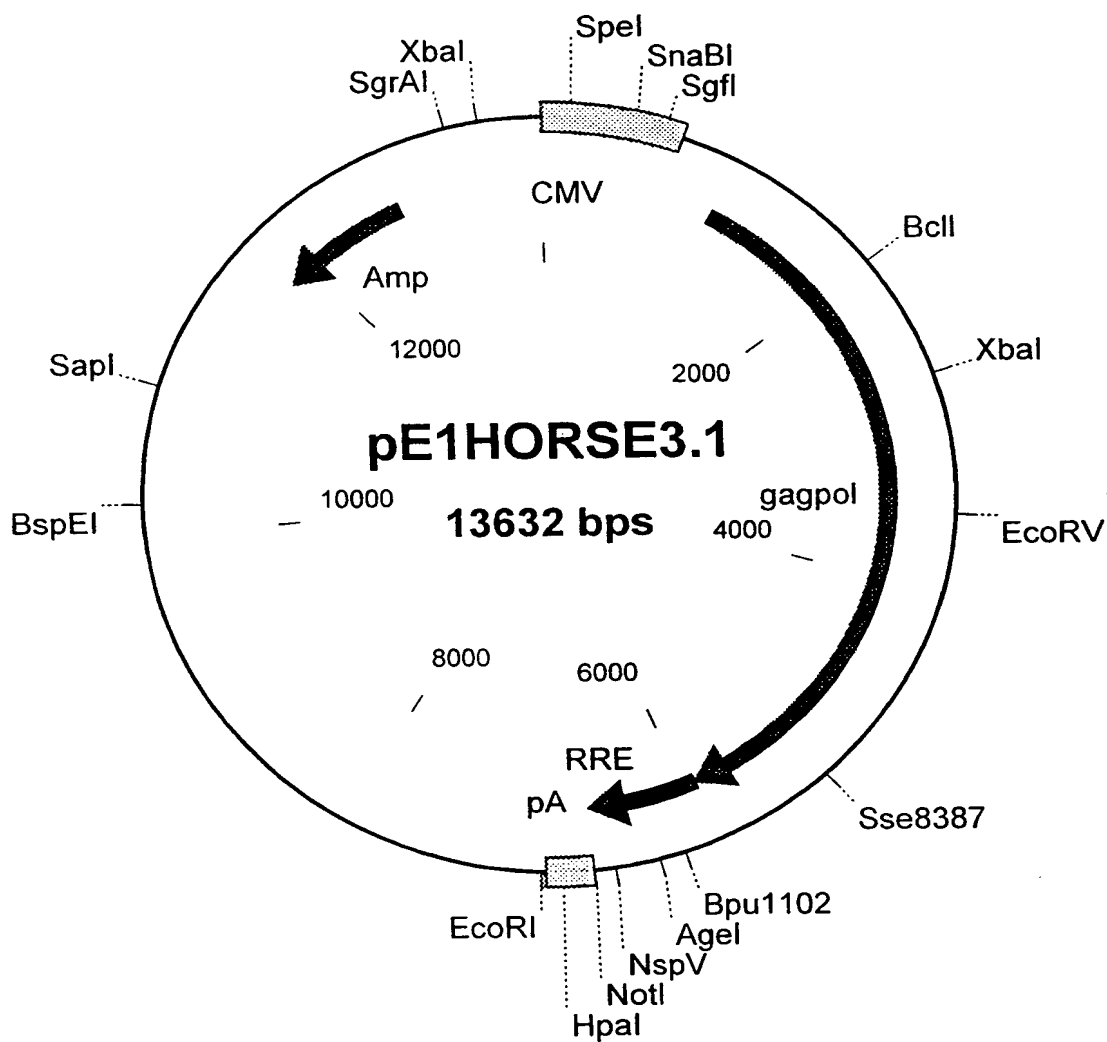
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Figure 22

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Figure 23

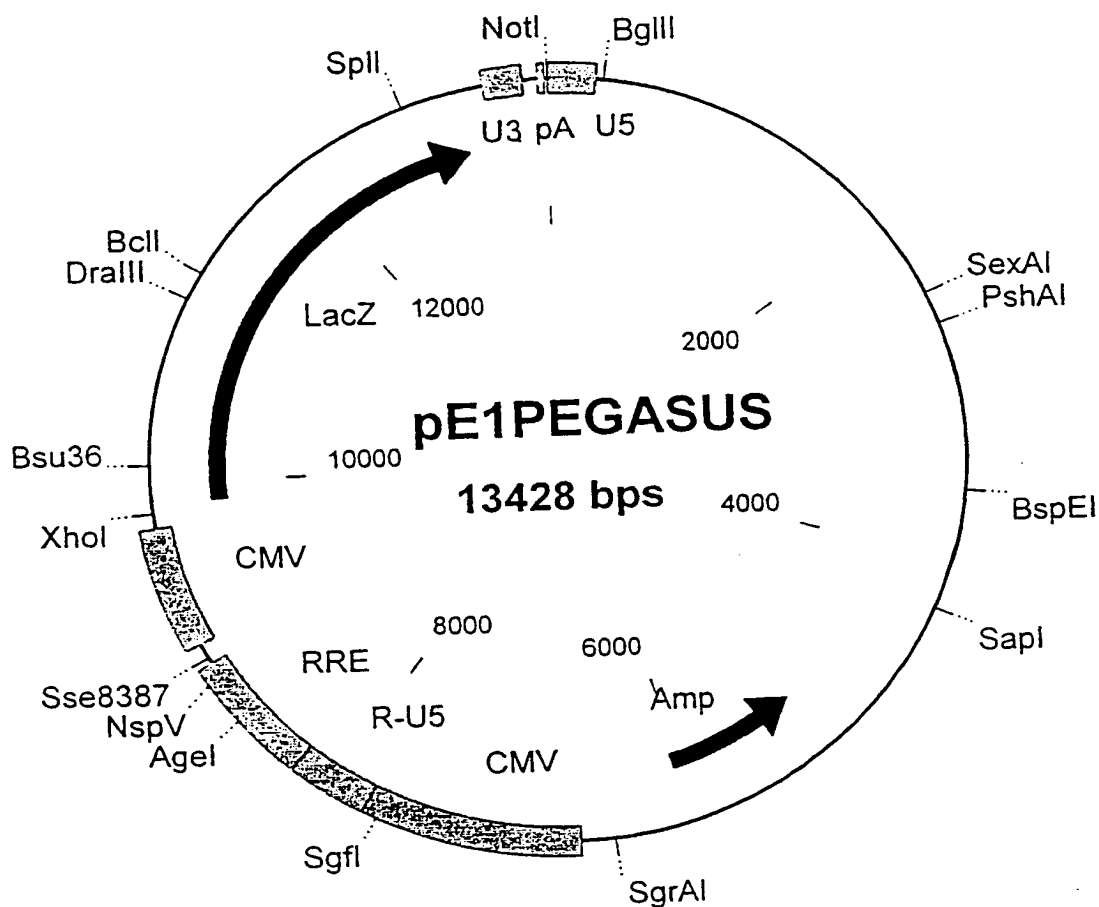
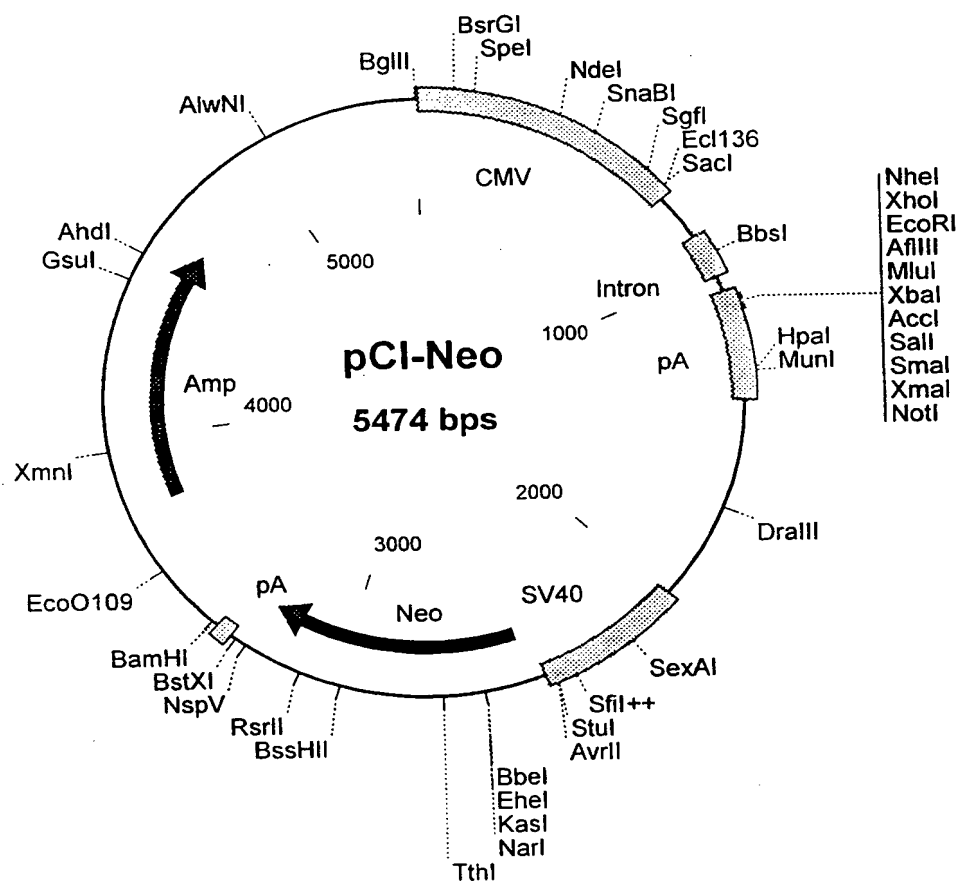


Figure 24

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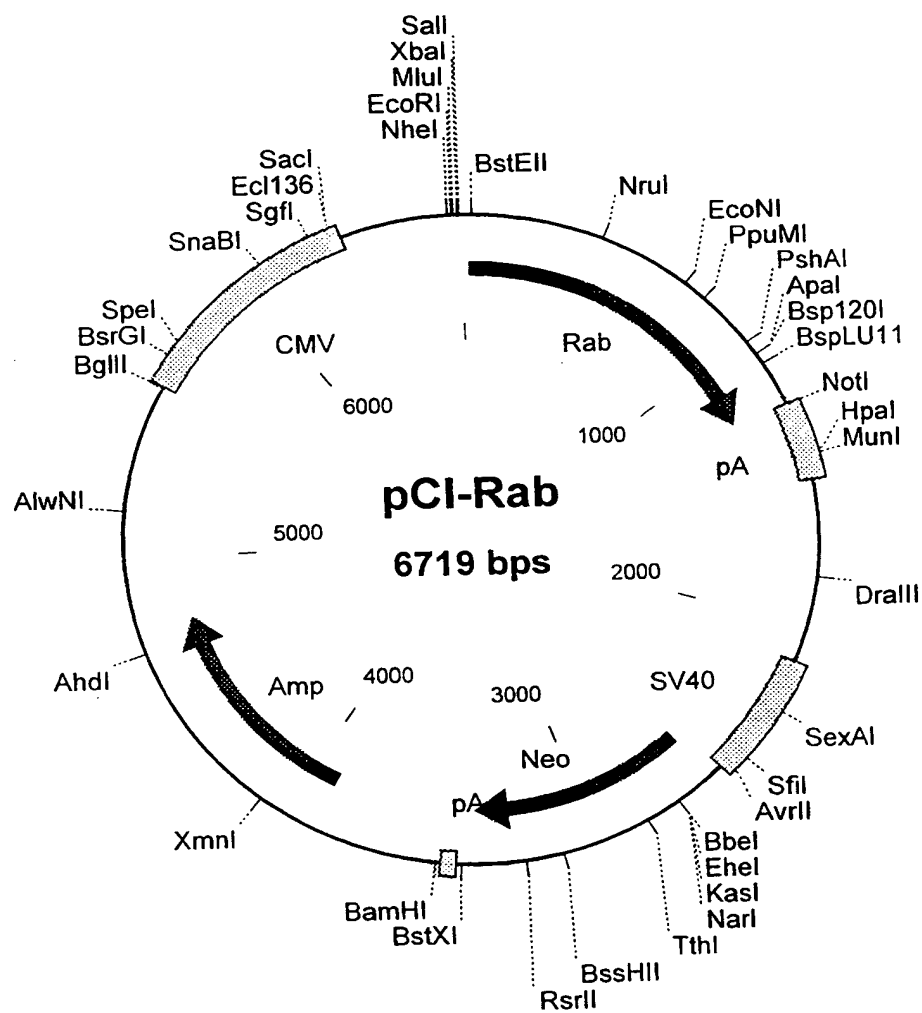
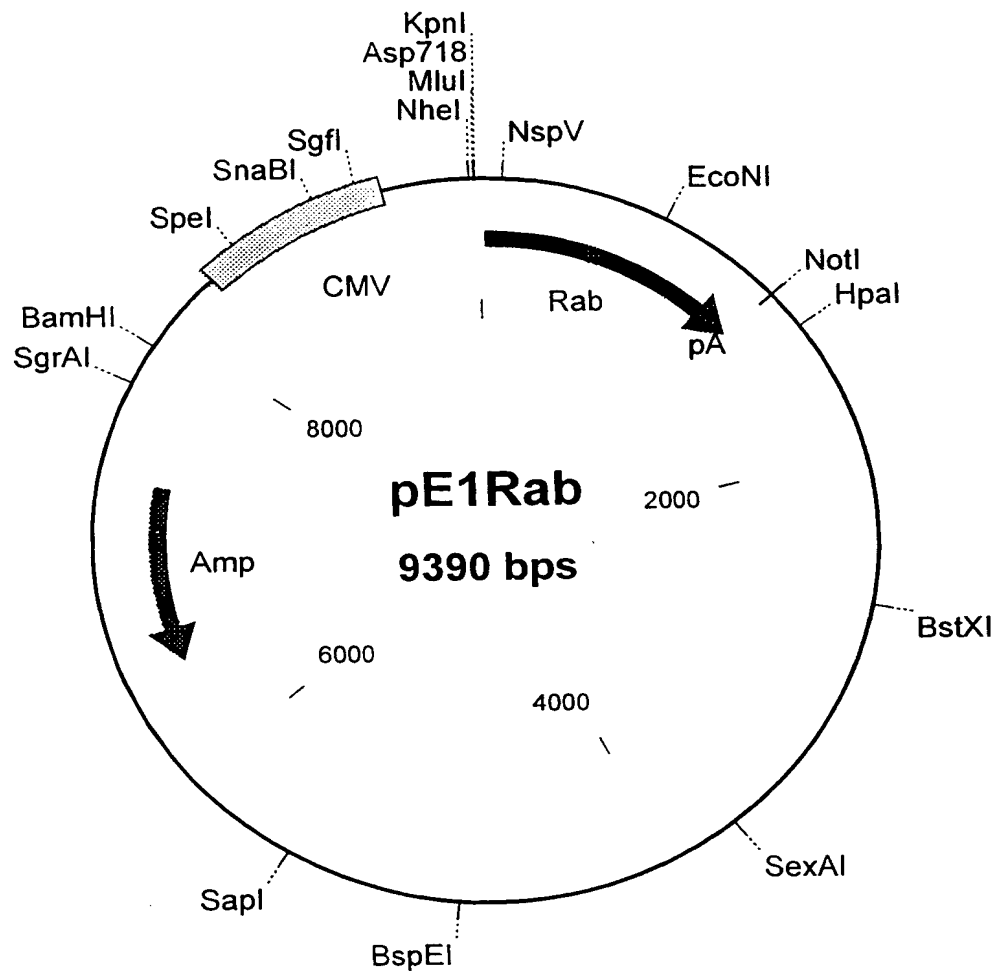


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Figure 27

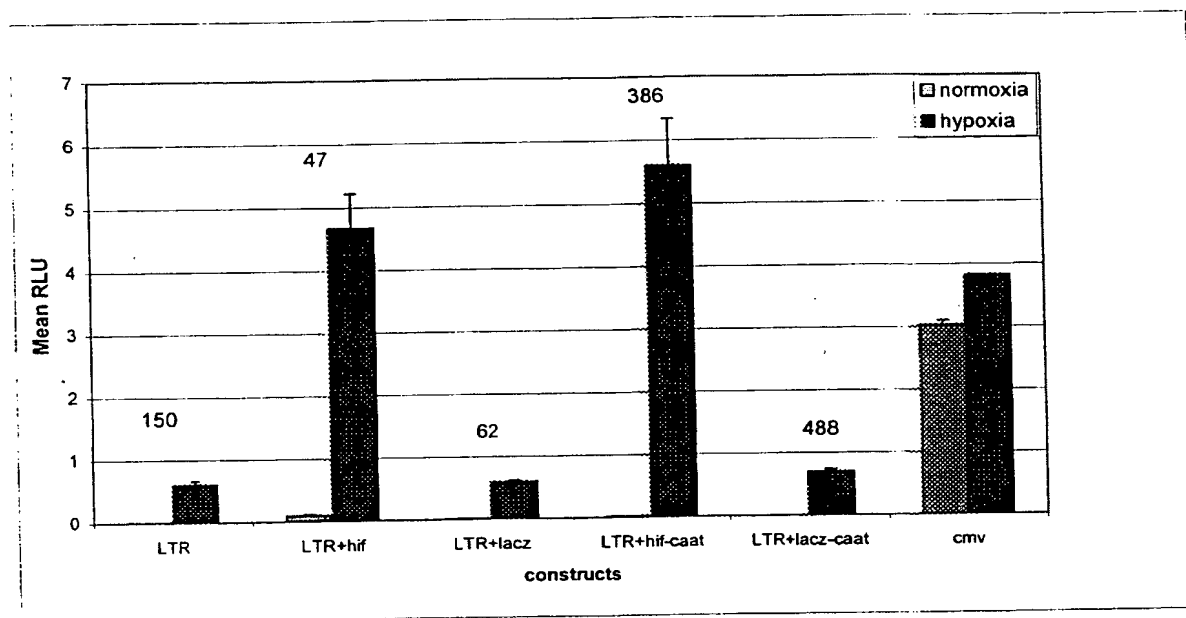
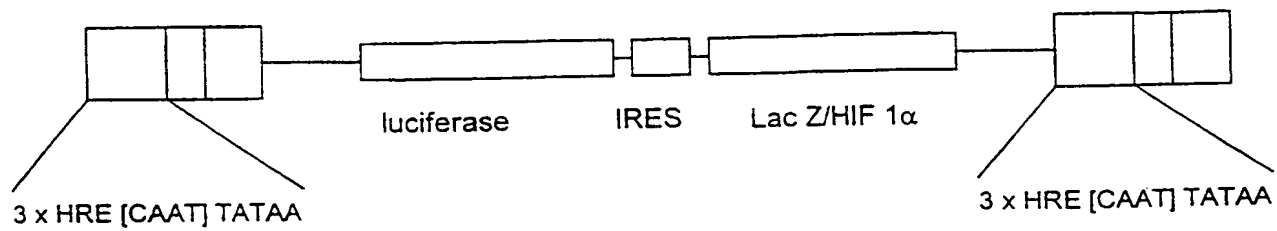


Figure 28



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Figure 29

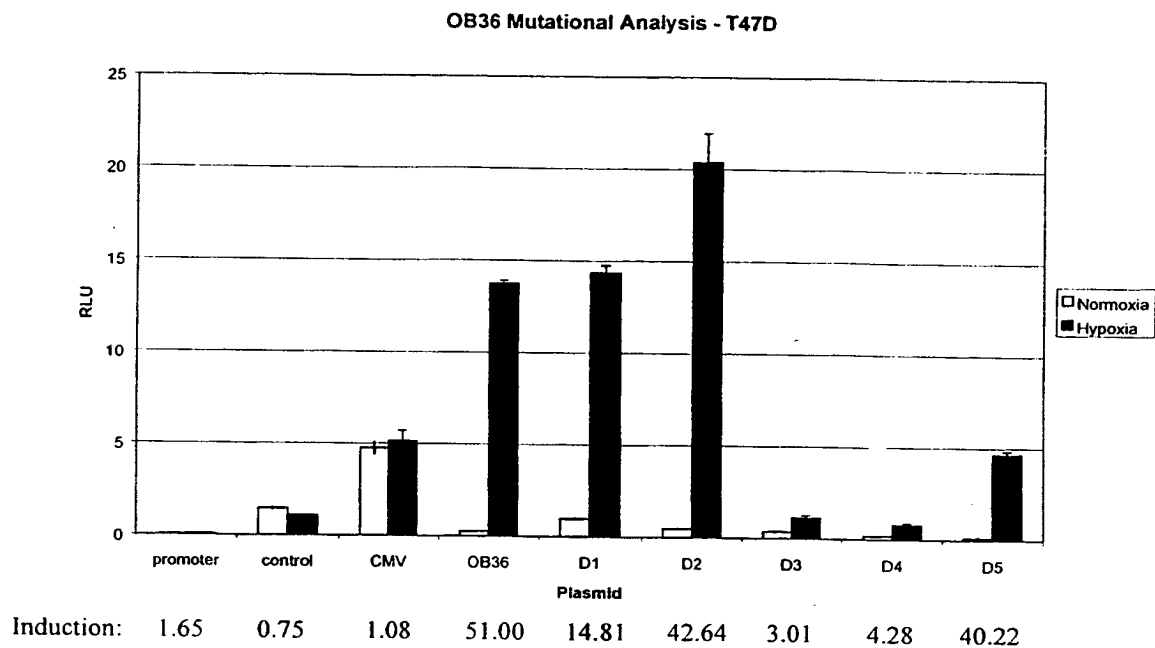


Figure 30

